

WHAT IS CLAIMED IS:

1. A signal transmitting belt for transmitting a heartbeat signal to a heart rate monitor so as to show a cardiorespiratory information, comprising:
  - a main body comprising a signal transmitter for transmitting said heartbeat signal;
  - an insulating chest belt;
  - a connecting element connecting said main body and said insulating chest belt for sustaining a tension therebetween; and
  - a conductive chest belt mounted on said insulating chest belt for contacting a chest of a user so as to detect said heartbeat signal and then transmit said heartbeat signal to said signal transmitter.
2. The signal transmitting belt according to claim 1, wherein said connecting element is a connecting shaft.
3. The signal transmitting belt according to claim 1, wherein said connecting element is a round shaft so that said insulating chest belt is rotatable around said main body.
4. The signal transmitting belt according to claim 1, wherein said connecting element is a rectangular shaft.
5. The signal transmitting belt according to claim 1, wherein said conductive chest belt transmits said heartbeat signal from said user to said signal transmitter through said connecting element.
6. The signal transmitting belt according to claim 1, wherein said conductive chest belt further comprises a protrudent portion having a signal transmitting hole thereon for transmitting said heartbeat signal therethrough.

7. The signal transmitting belt according to claim 6, wherein said signal transmitting belt further comprises a first spring mounted on said connecting element and a first screw screwed onto said signal transmitting hole.
8. The signal transmitting belt according to claim 7, wherein said first spring is screwed onto said conductive chest belt by said first screw for transmitting said heartbeat signal to said connecting element.
9. The signal transmitting belt according to claim 8 further comprising a washer screwed together with said first spring by said first screw so that said first spring is screwed onto said conductive chest belt under an even pressure.
10. The signal transmitting belt according to claim 7, wherein said conductive chest belt further comprises an axle hole for mounting said connecting element therethrough.
11. The signal transmitting belt according to claim 10, wherein said first spring is mounted inside said axle hole of said insulating chest belt.
12. The signal transmitting belt according to claim 11, wherein said connecting element has a flange thereon for being pushed against said first spring mounted inside said axle hole.
13. The signal transmitting belt according to claim 10, wherein said insulating chest belt and said main body are assembled together both through side portions thereof to cooperatively form said axle hole for passing through said connecting element.
14. The signal transmitting belt according to claim 1, wherein said signal transmitting belt further comprises a second spring mounted on said connecting element and a second screw mounted on said main body.
15. The signal transmitting belt according to claim 14, wherein said second spring is looped around said connecting element for transmitting said

heartbeat signal from said connecting element to said signal transmitter of said main body.

16. The signal transmitting belt according to claim 1, wherein said main body further comprises an upper cover and a lower cover.

17. The signal transmitting belt according to claim 16, wherein said upper cover and said lower cover further comprise a fixing bearing and an auxiliary bearing respectively for fixedly mounting said connecting element therebetween.

18. The signal transmitting belt according to claim 1, wherein said signal transmitting belt further comprises a skidproof slice mounted in an indentation of said main body for preventing said connecting element from coming off.

19. The signal transmitting belt according to claim 1, wherein said insulating chest belt has a rotating angle of 180° corresponding to said main body for providing a flexibility to said signal transmitting belt when being used.

20. A signal transmitting belt for transmitting a heartbeat signal to a heart rate monitor so as to show a cardiorespiratory information for a user, comprising:

    a main body comprising a signal transmitter therein for transmitting said heartbeat signal;

    an insulating chest belt having a conductive sensing element mounted therein for contacting a chest of said user so as to detect said heartbeat signal and then transmit said heartbeat signal to said signal transmitter; and

    a connecting element connecting said main body and said insulating chest belt for sustaining a tension therebetween.